Index of Claims

.3.

: 2.



Application/Control No.

10/823,873

Examiner

Reexamination

NGAN ET AL.

Applicant(s)/Patent under

Art Unit

Edward F. Landrum

3724

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α

0 Objected

|          |                            |                |          |              |                                                  |              |                                                  | ı                                                |          |                 |  |  |
|----------|----------------------------|----------------|----------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------------------------------------------|----------|-----------------|--|--|
| Cla      | im                         | Date           |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| - 0.0    |                            |                |          |              | ī                                                |              |                                                  |                                                  |          | $\overline{}$   |  |  |
| =        | Original                   | 90             |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| Final    | igi                        | 6/19/06        |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| ۱ ۳      | ō                          | /9             |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| _        | 1                          | +              |          | $\vdash$     |                                                  | _            | _                                                | _                                                | $\vdash$ | $\dashv$        |  |  |
| <u>.</u> | -                          | +              | _        | $\vdash$     | _                                                |              |                                                  |                                                  | Н        | $\dashv$        |  |  |
| _        | - 2                        | +              | _        | $\vdash$     |                                                  |              | _                                                |                                                  | $\vdash$ | $\vdash$        |  |  |
| -        | 4                          | +              | _        | H            | -                                                |              |                                                  |                                                  |          | $\dashv$        |  |  |
| -        | 1<br>2<br>3<br>4<br>5      | +              | -        |              |                                                  | _            |                                                  |                                                  | Н        |                 |  |  |
|          | 6                          | +              | _        | -            |                                                  |              | $\vdash$                                         | _                                                |          |                 |  |  |
|          | 7_                         | +              | -        |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| -        | 8                          | +              | H        |              | _                                                |              |                                                  |                                                  | _        | H               |  |  |
| -        | 9                          | +              |          |              |                                                  | -            | _                                                |                                                  | _        | Н               |  |  |
|          | 10<br>11                   | +              |          |              |                                                  | _            |                                                  |                                                  |          |                 |  |  |
|          | 11                         | +              |          | _            |                                                  |              |                                                  |                                                  |          |                 |  |  |
| ;        | 12                         | +              | Ι        |              |                                                  | Г            | Т                                                |                                                  |          | $\Box$          |  |  |
|          | 13                         | +              | $\vdash$ | T .          |                                                  | <u> </u>     |                                                  |                                                  |          |                 |  |  |
|          | 14                         | +              |          | Γ            |                                                  |              |                                                  |                                                  |          |                 |  |  |
|          | 12<br>13<br>14<br>15       | +              |          | Γ            |                                                  |              |                                                  |                                                  |          |                 |  |  |
|          | 16<br>17<br>18<br>19       | +              | Γ        |              |                                                  | T            |                                                  |                                                  |          |                 |  |  |
|          | 17                         | +              |          |              |                                                  |              |                                                  |                                                  |          | П               |  |  |
|          | 18                         | +              |          | Γ            |                                                  |              | _                                                |                                                  |          |                 |  |  |
|          | 19                         | +              |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
|          | 20                         | +              |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
|          | 21                         | +              |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
|          | 21<br>22<br>23             |                |          |              |                                                  |              |                                                  |                                                  |          |                 |  |  |
| 2        | 23                         |                |          |              |                                                  |              |                                                  | L                                                |          | Ш               |  |  |
|          | 24<br>25                   |                |          | L.           |                                                  |              | L                                                | L                                                |          | Ш               |  |  |
|          | 25                         |                |          |              |                                                  |              | <u> </u>                                         | <u> </u>                                         |          |                 |  |  |
|          | 26                         | _              |          | <u> </u>     |                                                  |              | <u> </u>                                         |                                                  | _        | Ш               |  |  |
|          | 27<br>28<br>29<br>30<br>31 | <u> </u>       | <u> </u> | <u> </u>     |                                                  | ļ_           |                                                  |                                                  | L.       | Ш               |  |  |
|          | 28                         | _              | ┖        | <u> </u>     | L                                                |              | <u> </u>                                         | <u> </u>                                         | <u> </u> | Ш               |  |  |
|          | 29                         |                |          | <u> </u>     | <u> </u>                                         | <u> </u>     | _                                                | L_                                               | _        | Ш               |  |  |
|          | 30                         | <u> </u>       | _        | <u> </u>     | <u>                                     </u>     | ├            | ╙                                                | <u> </u>                                         | <u> </u> | $\vdash$        |  |  |
| <u> </u> | 31                         | <del> </del> _ | <u> </u> | -            | <u> </u>                                         | <u> </u>     | <u> </u>                                         | <u> </u>                                         | ⊢        | $\vdash$        |  |  |
|          | 32<br>33                   | 1              | <b> </b> | <del> </del> | <u> </u>                                         |              | ⊢                                                | ┝                                                | ├        | Н               |  |  |
| <u></u>  | 33                         | <b> </b>       | -        |              | Ͱ                                                | <del> </del> | ₩                                                | ├                                                | ├-       | $\vdash$        |  |  |
| -        | 34                         | $\vdash$       | ⊢        | ┼-           | $\vdash$                                         | $\vdash$     | <del> </del> —                                   | -                                                | $\vdash$ | $\vdash\vdash$  |  |  |
| <u> </u> | 35<br>36                   | $\vdash$       | ⊢        | ⊢            | $\vdash$                                         | $\vdash$     | ⊢                                                | $\vdash$                                         | $\vdash$ | $\vdash$        |  |  |
| -        | 37                         | ╁              | ├        | ╁            | $\vdash$                                         | $\vdash$     | ╁─                                               | $\vdash$                                         | $\vdash$ | $\vdash \vdash$ |  |  |
| -        | 38                         |                | ┢        | +-           | ├                                                | $\vdash$     | $\vdash$                                         | +-                                               | $\vdash$ | Н               |  |  |
| $\vdash$ | 39                         | $\vdash$       | H        | ╁            | +                                                | $\vdash$     | ┼                                                | ╁                                                | $\vdash$ | $\vdash$        |  |  |
| -        | 40                         | $\vdash$       | ╁╾       | ╁            | H                                                | $\vdash$     | 1-                                               | $\vdash$                                         | 1        | $\vdash$        |  |  |
| <b>—</b> | 41                         | ╁╌             | $\vdash$ | +-           | +                                                | t            | 1                                                | 1                                                | $\vdash$ | Н               |  |  |
| -        | 42                         | ╁              | $\vdash$ | +-           | T                                                | T            | <del>                                     </del> | <del>                                     </del> | t        | Н               |  |  |
|          | 43                         | $\vdash$       | 1        | $\vdash$     | T                                                | $\vdash$     | T                                                | 1                                                | t        | П               |  |  |
| $\vdash$ | 44                         | T              | t        | 1            | <del>                                     </del> | T            | $\vdash$                                         | $\vdash$                                         | t        | П               |  |  |
| 2        | 45                         | ╁              | t        | +-           | 1                                                | t            | <del>                                     </del> | T                                                | t        | $\vdash$        |  |  |
| -        | 46                         | T              | t        | 1            | $\vdash$                                         | T            | $\vdash$                                         | T                                                | $\top$   | П               |  |  |
| <b> </b> | 47                         | 1              | T        | +-           | T                                                | T            | Т                                                | $t^-$                                            | 1        | M               |  |  |
|          | 48                         | †              | T        | T            | T                                                | T            | Т                                                | 1                                                | $\top$   | Π               |  |  |
|          | 49                         | T              | 十        | $t^-$        | 1                                                | 1            | T                                                | T                                                |          | 1               |  |  |
| -        | 50                         | t              | 1        | $t^-$        | T                                                | †            | †                                                | T                                                | 1        |                 |  |  |

| <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cla    | im       |                                                  |          |          |          | Date     | _              |                                           |          |                    | ٦   | Cla   | im l     |                                        |          | -        |                 | ate      |                                                  |          |           | $\neg$   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|--------------------------------------------------|----------|----------|----------|----------|----------------|-------------------------------------------|----------|--------------------|-----|-------|----------|----------------------------------------|----------|----------|-----------------|----------|--------------------------------------------------|----------|-----------|----------|
| 1       +       -       51       52       33       -       52       53       -       54       -       54       -       55       -       54       -       55       -       55       -       56       -       -       55       -       -       57       -       -       57       -       -       57       -       -       57       -       -       58       -       -       -       57       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><math>\overline{}</math></td> <td>_</td> <td></td> <td><math>\dashv</math></td> <td>ŀ</td> <td></td> <td></td> <td>П</td> <td>7</td> <td>П</td> <td><del>-</del>-ī</td> <td>Ť</td> <td></td> <td><math>\neg</math></td> <td></td> <td>ㅓ</td> |        |          |                                                  |          |          |          |          | $\overline{}$  | _                                         |          | $\dashv$           | ŀ   |       |          | П                                      | 7        | П        | <del>-</del> -ī | Ť        |                                                  | $\neg$   |           | ㅓ        |
| 2 +       3 -       53       53       53       54       55       56       55       56       55       56       57       57       58       59       57       58       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       <                                                                                                                                                                                                                                                                          | Final  | Original | 6/19/06                                          |          |          |          |          |                |                                           |          |                    |     | Final | Original |                                        |          |          |                 |          |                                                  |          |           |          |
| 2 +       3 -       53       53       53       54       55       56       55       56       55       56       57       57       58       59       57       58       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       59       <                                                                                                                                                                                                                                                                          | $\neg$ | 1        | +                                                |          |          |          | _        | $\dashv$       | -                                         | Н        | $\neg$             | 1   |       | 51       |                                        | 寸        | $\dashv$ | 寸               | $\dashv$ | _                                                | $\neg$   | $\dashv$  | ヿ        |
| 3       +       -       53       -       -       54       -       -       55       -       -       55       -       -       -       -       -       55       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -                                                                                                                                                                                                                                                                                                                                           |        |          | -                                                |          |          |          | _        | $\neg$         |                                           |          |                    | ı   |       | 52       | $\sqcap$                               | コ        | ヿ        |                 | $\neg$   | $\neg$                                           |          | 寸         | ヿ        |
| 4       +       -       55       -       -       55       -       -       56       -       -       56       -       -       57       -       -       -       56       -       -       -       57       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -                                                                                                                                                                                                                                                                                                                                           | _      | 3        | +                                                |          |          |          |          |                |                                           |          |                    | ı   |       | 53       |                                        |          |          |                 |          |                                                  |          | $\neg$    |          |
| 5       +       -       55       56       -       -       57       -       -       57       -       -       -       57       -       -       -       -       58       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -                                                                                                                                                                                                                                                                                                                                           |        |          | +                                                |          |          |          |          |                |                                           |          |                    | , t |       | 54       |                                        | T        | 一        | $\neg$          |          |                                                  |          | $\neg$    |          |
| 6       +       -       -       56       57       -       -       -       58       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -                                                                                                                                                                                                                                                                                                                                         |        | 5        | +                                                |          |          |          | _        |                |                                           |          |                    | 1   |       | 55       |                                        | 一        | コ        | $\neg$          |          |                                                  |          |           | $\neg$   |
| 7       +       -       57       -       -       -       58       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       -       -       -       -       -       -       -       -        -       -       -       -       -       -       -       - </td <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>56</td> <td></td> <td>T</td> <td></td> <td><math>\neg</math></td> <td></td> <td></td> <td></td> <td>目</td> <td><math>\neg</math></td>                                                   |        |          | +                                                |          |          |          |          |                | -                                         |          |                    |     |       | 56       |                                        | T        |          | $\neg$          |          |                                                  |          | 目         | $\neg$   |
| 8       +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               </td <td></td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>Ī</td> <td></td> <td>57</td> <td></td> <td>目</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><math>\Box</math></td> <td></td>                                                                    |        |          | +                                                |          |          |          |          |                | -                                         |          |                    | Ī   |       | 57       |                                        | 目        |          |                 |          |                                                  |          | $\Box$    |          |
| 10 +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |          | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 58       |                                        |          |          |                 |          |                                                  |          |           |          |
| 11       +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        | 9        | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 59       |                                        |          |          |                 |          |                                                  |          |           |          |
| 12 ·       13 ·       62 63 63 63 64 65 65 66 66 66 66 66 66 66 67 67 67 67 67 67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        | 10       | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 60       |                                        |          |          |                 |          |                                                  |          |           | ┙        |
| 13       +       63       64       64       64       65       66       66       66       66       66       66       66       66       66       66       67       68       68       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       69       70       70       71       71       72       72       73       73       74       74       74       74       74       74       74       74       74       74       74       77       78       78       79       79       79       79       79       79       79       79       79       79       79       79       79       79       79       79                                                                                                                                                                                                                                                                                     |        | 11       | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 61       |                                        |          |          |                 |          |                                                  |          | $\Box$    |          |
| 14 +       64         15 +       65         16 +       66         17 +       68         18 +       68         19 +       69         20 +       70         21 +       71         22 2       73         23 3       74         25 5       75         26 6       76         27 7       78         29 30       79         30 80       81         31 32       82         33 3 4       84         35 35       85         36 36       86         37 37       87         38 8       89         40 40       90         41 41       91         42 43       93         43 99       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | 12       | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 62       |                                        |          |          |                 | _        |                                                  |          |           |          |
| 15       +                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        | 13       | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 63       |                                        |          | _        |                 | _        |                                                  |          |           | _        |
| 16 +       17 +       66       67       68         117 +       68       69       69         119 +       70       71       71         20 +       70       71       72         21 +       72       73       74         22 -       73       74       75         26 -       76       77       77         28 -       79       78       79         30 -       80       80       81         31 -       81       82       83         33 -       83       84       84         35 -       86       86       86         37 -       88       89       99         40 -       90       90       91         41 -       91       92       93         43 -       94       94       94         44 -       96       96       97         48 -       99       99       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |          | +                                                |          |          | _        |          | L              |                                           |          |                    | l   |       | 64       |                                        |          |          |                 |          |                                                  |          |           |          |
| 17 +       67         18 +       68         19 +       69         20 +       70         21 +       71         22 2       73         23 3       73         24 4       74         25 5       75         26 6       76         27 7       77         28 8       78         29 9       79         30 80       80         31 80       81         32 82       83         33 34       84         35 5       85         36 8       86         37 37       88         38 8       88         39 9       89         40 90       90         41 1       91         42 92       92         43 44       94         45 95       96         47 4       98         99 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |          | +                                                |          |          |          |          |                |                                           |          |                    |     |       | 65       |                                        | _        |          |                 |          | Щ                                                |          | $\Box$    | _        |
| 18 +       68         19 +       69         20 +       70         21 +       71         22 -       72         23 -       73         24 -       74         25 -       75         26 -       77         27 -       77         28 -       79         30 -       80         31 -       80         31 -       81         32 -       83         33 -       84         35 -       85         36 -       86         37 -       85         38 -       88         39 -       90         40 -       90         41 -       91         42 -       92         43 -       94         44 -       94         45 -       96         47 -       98         99 -       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | 16       | +                                                |          |          | <u> </u> | <u> </u> | L              |                                           | L        |                    |     |       | 66       |                                        | _        |          |                 |          |                                                  |          |           |          |
| 19 +       69         20 +       70         21 +       71         22         72         23         73         24         74         25         75         26         76           27         77           28         79           30         80           31         81           32         83           33         84           33         83           34         84           35         85           36         86           37         87           38         88           39         90           41         91           42         92           43         94           45         96           47         97           48         99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          | +                                                |          | <u> </u> |          |          |                |                                           | _        | L.                 |     |       |          |                                        | _        |          |                 |          |                                                  |          |           | _        |
| 20 +       70         21 +       71         22         73         23         74           25         75           26         76           27         77           28         77           29         79           30         80           31         81           32         83           33         84           35         85           36         86           37         88           39         89           40         90           41         91           42         92           43         94           44         94           45         96           47         97           48         98           49         99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          | +                                                |          |          |          |          |                | _                                         | _        |                    |     |       | 68       | Ш                                      | _        |          |                 |          |                                                  |          |           |          |
| 21 +       71         22         72         23         74           25         75           26         76           27         77           28         78           29         79           30         80           31         81           32         83           33         84           35         85           36         86           37         87           38         88           39         89           40         90           41         91           42         92           43         94           44         94           45         96           46         96           47         97           48         98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |          | ⊢                                                |          | <u> </u> | _        | <u> </u> | _              |                                           | <u> </u> | _                  |     |       | 69       | Ш                                      |          |          |                 |          |                                                  |          | $\square$ | _        |
| 22       72         23       73         24       74         25       75         26       76         27       77         28       79         30       80         31       81         32       82         33       84         35       85         36       86         37       87         38       88         39       89         40       90         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |          | -                                                | _        | _        |          | L        | <u> </u>       |                                           | _        | _                  |     |       | 70       | Ш                                      | _        | _        |                 |          |                                                  |          |           | $\dashv$ |
| 23       73         24       74         25       75         26       77         27       77         28       77         29       79         30       80         31       81         32       82         33       83         34       84         35       85         36       86         37       88         38       89         40       90         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 21       | +                                                | <u> </u> |          |          | L        |                |                                           | L        | <u> </u>           |     |       | 71       | Ш                                      | _        |          | _               |          | _                                                | Щ        |           | _        |
| 24       74         25       75         26       76         27       77         28       77         29       79         30       80         31       82         33       82         33       84         35       85         36       86         37       88         38       88         39       90         40       91         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | 22       | _                                                | _        |          | _        | _        |                |                                           | <u> </u> | <u> </u>           |     |       | 72       | $\vdash$                               |          |          | L               |          |                                                  |          |           |          |
| 25       75         26       76         27       77         28       77         29       79         30       80         31       82         32       83         34       84         35       85         36       86         37       88         38       88         39       90         40       90         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |          | <u> </u>                                         | _        |          | <u> </u> | <u> </u> | _              | <u> </u>                                  | <u> </u> | _                  |     |       | 73       | Щ                                      | _        |          |                 |          |                                                  |          |           | $\dashv$ |
| 26       76         27       77         28       77         30       80         31       82         32       83         34       84         35       86         37       88         38       88         39       90         40       90         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | 24       | <u> </u>                                         | _        | <u> </u> |          | -        | -              | _                                         | <u> </u> | <u> </u>           |     |       | 74       | Н                                      |          |          |                 |          |                                                  | _        |           | $\dashv$ |
| 27       28       77       78       79         30       31       80       81       82       83         33       34       84       85       86       85         36       86       87       88       88       89       90       90       90       90       91       92       43       44       94       94       44       94       96       47       97       48       98       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99       99                                                                                                                                                                                                                                                                                                         |        |          | ┡                                                | <u> </u> | -        |          |          | ├—             | <u> </u>                                  | _        |                    |     |       | 76       | -                                      |          |          | _               |          |                                                  | $\vdash$ |           | $\dashv$ |
| 28       78         29       80         31       81         32       83         33       84         35       85         36       86         37       88         39       89         40       90         41       91         42       92         43       94         44       94         45       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | 26       | <u> </u>                                         | _        |          | _        |          | <del> </del> — | -                                         |          | ├-                 |     |       |          |                                        | _        |          | _               |          |                                                  |          |           |          |
| 29       79         30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       90         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |          |                                                  | -        | -        |          | -        |                | ├                                         | ┢        | ├                  |     |       | 70       | -                                      | -        | _        | -               |          |                                                  | $\vdash$ |           | $\dashv$ |
| 30       80         31       81         32       83         33       84         35       85         36       86         37       87         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       96         46       96         47       97         48       99         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | 20       |                                                  | ⊢        | -        | ⊢        | ┝        | ⊢              | ├                                         | ⊢        | $\vdash$           | 1   |       |          | Н                                      | -        |          |                 |          | -                                                |          |           | _        |
| 31       81         32       82         33       83         34       84         35       85         36       86         37       87         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       96         46       96         47       97         48       99         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | 20       | H                                                | ⊢        | -        | ├-       | ⊢        | ┢              | -                                         | -        |                    |     |       | 80       | H                                      |          |          | _               |          | -                                                |          | -         | -        |
| 32       82         33       83         34       84         35       85         36       86         37       88         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | _      | 31       | ⊢                                                | $\vdash$ | ⊢        | -        | $\vdash$ | ⊢              | -                                         | ╁        | 1                  |     |       | 81       | $\vdash$                               | _        | _        |                 | -        | <del>                                     </del> |          |           | Н        |
| 33       83         34       84         35       85         36       86         37       88         38       87         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 32       | -                                                |          | -        | ┢        | ┝╌       | ┢              | -                                         | ┢        | -                  |     |       | 82       | -                                      |          | _        |                 |          | ┢                                                | ┢        | Н         | П        |
| 34       84         35       85         36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | 33       | ╁                                                | ├        | -        | ╁        |          | ┢              |                                           | ╁╌       | <del> </del>       | 1   |       | 83       | -                                      |          | _        | Н               | _        | -                                                | -        |           | М        |
| 35       85         36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | 34       | ╁                                                | ╁        | -        | $\vdash$ |          | H              | $\vdash$                                  | 1        | -                  | 1   |       |          |                                        |          |          | Г               |          |                                                  |          |           | П        |
| 36       86         37       88         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | 35       | t                                                | $\vdash$ | $\vdash$ |          | t        | Ħ              | ┪                                         | T        | 1                  | 1   |       | 85       | Г                                      |          | _        |                 |          |                                                  |          |           | П        |
| 37       87         38       88         39       88         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 36       | t                                                | H        | Г        | T        | T        | $\vdash$       | Т                                         |          | ╁                  | ĺ   |       |          | Т                                      |          | Г        |                 | Г        |                                                  |          |           | П        |
| 38       88         39       90         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | 37       | t                                                | <b>—</b> | ┢        |          | $\vdash$ | $\vdash$       |                                           |          | <u> </u>           | 1   |       |          | Г                                      |          |          |                 |          |                                                  |          |           |          |
| 39       89         40       90         41       91         42       92         43       93         44       94         45       95         46       96         47       97         48       98         49       99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | 38       | <del>                                     </del> | t        | i -      | <u> </u> |          | Т              | _                                         |          |                    | 1   |       | 88       |                                        |          |          |                 |          | Г                                                |          |           | П        |
| 40       41       42       43       44       45       46       47       48       49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        | 39       | T                                                |          |          |          |          |                |                                           |          |                    | 1   |       | 89       | П                                      |          |          |                 |          |                                                  |          |           |          |
| 41     91       42     92       43     93       44     94       45     95       46     96       47     97       48     98       49     99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | 40       |                                                  | $\Box$   | П        | Ì        |          |                |                                           |          |                    |     |       | 90       | П                                      |          |          |                 |          |                                                  |          |           |          |
| 42       43       44       45       46       47       48       49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |          |                                                  |          |          |          |          |                |                                           | Π        |                    | ]   |       | 91       |                                        |          |          |                 |          |                                                  |          |           |          |
| 44     94       45     95       46     96       47     97       48     98       49     99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | 42       | 1                                                | Π        |          |          |          |                |                                           |          |                    | ]   |       | 92       |                                        |          |          |                 |          |                                                  |          |           |          |
| 44       45       46       47       48       49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | 43       | Π                                                |          |          |          |          |                |                                           |          |                    | ]   |       |          |                                        |          |          |                 |          |                                                  |          |           |          |
| 46     96       47     97       48     98       49     99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | 44       |                                                  |          |          |          |          |                |                                           | ŀ        |                    | ]   |       |          |                                        |          |          | L               |          | L                                                |          | L         |          |
| 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        | 45       |                                                  |          |          |          |          | $\Box$         | $\Box$                                    |          | $oxedsymbol{oxed}$ | 1   |       |          | 匚                                      | 匚        | <u> </u> | _               | <u> </u> | _                                                | <u> </u> | _         | _        |
| 48 98 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        | 46       | 匚                                                |          |          |          |          |                |                                           | 1_       |                    | 1   |       |          | L                                      | L        | _        | $oxed{oxed}$    | L.       | $\vdash$                                         | L        | <u> </u>  | <u> </u> |
| 49 99 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |          |                                                  |          |          |          |          | <u> </u>       | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | $\perp$  |                    | 1   |       |          | <u> </u>                               | <u> </u> | <u> </u> | L_              | <u>L</u> | ⊢                                                | ـــ      | _         | <u> </u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |          |                                                  | <u>_</u> |          |          | _        | <u></u>        | $oxed{oxed}$                              | _        | <u> </u>           | 1   |       |          | $oxed{oxed}$                           | <u> </u> | L        | L_              | <u> </u> | $ldsymbol{f eta}$                                | L_       | <u> </u>  | _        |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |          |                                                  | 1_       | _        | $\perp$  | 1_       | 1_             | $oxed{oxed}$                              | _        | 1_                 | 1   |       | 99       | ــــــــــــــــــــــــــــــــــــــ | ├        | _        | _               | <u> </u> | ↓_                                               | ┞_       | <u> </u>  | Щ        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        | 50       | <u>L</u>                                         | _        |          | <u></u>  | 丄        | <u> </u>       |                                           | 1        |                    | j   | L     | 100      |                                        | L_       | <u> </u> | L               | L_       | Ц_                                               | <u> </u> | L_        | Щ        |

| Te   Sp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cla      | Date  |          |              |              |          |          |          |          |          |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|----------|--------------|--------------|----------|----------|----------|----------|----------|----------|
| 101       102         103       104         105       106         107       108         109       110         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |       |          |              |              |          |          |          |          |          | $\neg$   |
| 101       102         103       104         105       106         107       108         109       110         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | lal      | ji    |          |              |              |          |          |          |          |          | - 1      |
| 101       102         103       104         105       106         107       108         109       110         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ᇤ        | rig   |          |              |              |          |          |          |          |          | ļ        |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148 |          | 1     |          |              |              |          |          |          |          |          | - 1      |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148 |          | 101   |          |              |              |          |          |          |          |          | $\neg$   |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148 |          | 102   |          |              |              |          |          |          |          |          | $\neg$   |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   146   147   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148   148 |          | 103   |          |              |              |          |          |          |          |          |          |
| 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 104   |          |              |              |          |          |          |          |          |          |
| 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 105   |          |              |              |          |          |          |          |          |          |
| 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 106   |          |              |              |          |          |          |          |          |          |
| 109       110         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          | 107   |          |              |              |          |          |          |          |          |          |
| 109       110         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          | 108   |          |              |              |          |          |          |          |          |          |
| 111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          | 109   |          |              |              |          |          |          |          |          |          |
| 111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         147       148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          | 110   |          |              |              |          |          |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 111   |          |              |              |          |          |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 112   |          |              |              |          |          | L        |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 113   |          |              | L            | L        |          |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 114   |          |              | L            |          | L        |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 115   |          |              |              | L        |          |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 116   |          |              |              | <u> </u> |          |          |          |          | Ш        |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 117   |          |              | L            |          |          |          |          |          |          |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 118   |          |              | L            |          |          |          |          |          |          |
| 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 119   |          |              |              | L        |          | L        |          |          |          |
| 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 120   |          | L            |              | 乚        | _        |          |          |          |          |
| 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 121   |          | L            |              |          |          | 匚        |          |          |          |
| 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ĺ.,      | 122   |          | 乚            | <u></u>      |          |          |          |          | L        |          |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 123   |          |              | L_           | L        | L        |          |          |          | Щ        |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 124   |          |              | L            |          | L        |          |          | L        | Ш        |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 125   |          | L            | _            | _        | L        |          |          |          | Ш        |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 126   |          | L            | L.           | _        | <u> </u> | L        |          | <u> </u> |          |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 127   | L        | L            | L            |          |          |          |          |          | Щ        |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 128   |          |              | _            |          |          | <u> </u> | _        | <u> </u> | Ш        |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 129   |          |              | <u> </u>     | <u> </u> | L        | L        | L        |          | Ш        |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 130   |          |              | <u> </u>     | L        | _        | _        | _        | <u> </u> | Щ        |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 131   | <u>L</u> | L            | L            | ╙        | <u> </u> | _        |          |          | Ш        |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 132   | L        | <u> </u>     |              | <u> </u> | 匚        | 乚        |          |          | Ш        |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 1 133 | L        | <u> </u>     | _            | _        | <u> </u> | <u> </u> |          | <u> </u> | Ш        |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 134   | <u> </u> | <u> </u>     | _            | <u> </u> | _        | Ļ_       | _        | ļ        | Щ        |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | L        | 135   | <u> </u> | L            | _            | 上        | ļ        | <u> </u> | <u> </u> | <u> </u> |          |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 136   | <u> </u> | $oxed{oxed}$ |              | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> |          |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u> </u> | 137   | <u> </u> | <u> </u>     | ┖            | 1        | <u> </u> | _        |          | _        | Ш        |
| 140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 138   | <u> </u> | L            | 1            | L        | <u> </u> | <u> </u> | Ь        | ┡        | Ш        |
| 141 142 143 144 145 146 147 148 148 148 141 148 141 148 141 141 148 141 141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <u></u>  | 139   |          | ┖            | ١            | <u> </u> | _        | ┡        | ╙        | <u> </u> | _        |
| 142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u> </u> |       | <u> </u> | 1_           | <del> </del> | <u> </u> | $\vdash$ | <b>!</b> | <b> </b> | ┞        | Ш        |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |       | _        | ١            | ↓_           | ــــ     | 1_       | 1_       | ⊢        | -        | $\vdash$ |
| 144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |       | <u> </u> | <u> </u>     | <del> </del> | ↓_       | 1        | _        | ┞_       | ļ        | <u> </u> |
| 145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |       | _        | <u> </u>     | ↓_           | ┞        | ┡        | ┞        | ├_       | _        | igspace  |
| 146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |       | <u> </u> | <u>_</u>     | ـ            | ┞        | $\vdash$ | <u> </u> | ┞        | ┞        | <b>├</b> |
| 147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | L        |       | _        | $\perp$      | 1            | 1_       | <u> </u> | 1        | <u> </u> | <u> </u> |          |
| 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u></u>  |       | <u> </u> | <u> </u>     | 1_           | 1_       | $\perp$  | 1_       | ┞_       | <b>L</b> | Ш        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | L        |       | L        | <u> </u>     | 1_           | 1_       | $\perp$  | L        | <u> </u> | 1_       | <u> </u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u></u>  |       | <u>L</u> | ↓_           | $\perp$      | $\perp$  | _        | $\perp$  | 1        | 1        | <u> </u> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <u></u>  | 149   | <u>L</u> | L            | L            | <u> </u> | <u> </u> | ↓_       | ↓        | $\perp$  | <u> </u> |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 150   | 1_       | L            | L            | 1_       | <u>.</u> | $\perp$  |          |          | L        |